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IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF ALASKA AT ANCHORAGE

ENOCH ADAMS, JR., LEROY ADAMS,
ANDREW KOENIG, JERRY NORTON
DAVID SWAN and JOSEPH SWAN,

Plaintiffs,

v.

TECK COMINCO ALASKA INCORPORATED

Defendant.

NANA REGIONAL CORPORATION and
NORTHWEST ARCTIC BOROUGH,

Intervenors-Defendants.

Case No. A04-49 (JWS)

FIRST AMENDED
SUPPLEMENTAL
REVISED COMPLAINT FOR
INJUNCTIVE AND
DECLARATORY RELIEF
AND CIVIL PENALTIES

Federal Water Pollution Control
Act, 33 U.S.C. §§ 1251 to 1287

I. JURISDICTION AND VENUE

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2 1. Subject matter jurisdiction is conferred upon this Court by Section 505(a)(1) of the
3 Federal Water Pollution Control Act, also known as the Clean Water Act (the “Act”), 33 U.S.C.
4 § 1365(a)(1).

5 2. Pursuant to Section 505(c)(1) of the Act, 33 U.S.C. § 1365(c)(1), venue lies in the
6 District of Alaska because Teck Cominco’s Red Dog Mine and the port site are located within
7 the District of Alaska.

II. INTRODUCTION

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9 3. Through this action, plaintiffs Enoch Adams, Jr., Leroy Adams, Andrew Koenig, Jerry
10 Norton, David Swan and Joseph Swan seek an injunction, declaratory relief, and civil penalties in
11 response to repeated and continuing violations of the Clean Water Act, 33 U.S.C. §§ 1251 *et seq.*
12 by Teck Cominco Alaska Incorporated (“Teck Cominco”). Teck Cominco has violated the Clean
13 Water Act by grossly exceeding the discharge limits set by its National Pollution Discharge
14 Elimination System (“NPDES”) permits for the Red Dog mine site and port site in northwest
15 Alaska.

16 4. This case is about citizens seeking to enforce environmental laws when state and
17 federal agencies are unable or unwilling to do so. The linchpin of the national effort to clean and
18 preserve our waters is the Clean Water Act. Under 33 U.S.C § 1342, all discharges of pollutants
19 to the waters of the United States must be authorized by a NPDES permit.

20 5. Teck Cominco defeats the purpose of the Clean Water Act and NPDES permits
21 through its continuing disregard of the specified limits in the mine site and port site permits.
22 Under the self-monitoring provisions of its permits, Teck Cominco documents and reports its
23 compliance, or lack thereof, each month to the U.S. Environmental Protection Agency (“EPA”)
24 in its Discharge Monitoring Reports. These reports demonstrate that Teck Cominco knowingly
25 violates at least some of its permit limits every month that it operates.

26 6. The six individual plaintiffs bring this action because Teck Cominco’s repeated
27 violations have reduced the quality of their lives and changed the way they perform basic
28 activities such as subsistence hunting and fishing. The plaintiffs are all residents of the Native

1 Village of Kivalina, an Inupiat village on the Chukchi Sea. They are also all appointed members
2 of the Kivalina Relocation Planning Committee, and are referred to collectively as “plaintiffs” in
3 this Complaint. Their homes are at the mouth of the Wulik River, downstream of the mine’s
4 Outfall 001 on Middle Fork Red Dog Creek. The community obtains drinking water from the
5 Wulik River, and hunts and fishes in the marine and terrestrial environment adjacent to the port
6 and mine sites. As a result of Teck Cominco’s illegal discharges, plaintiffs believe that their
7 drinking water quality has decreased. The location and quantity of terrestrial mammals, marine
8 mammals and fish that constitute their basic source of food has changed. Teck Cominco’s
9 violations of the Clean Water Act deprive plaintiffs of the opportunity to exercise their traditional
10 lifestyle without fear of illness or exposure to dangerous contaminants.

11 7. Neither the EPA nor the Alaska Department of Environmental Protection have
12 undertaken any enforcement action or imposed administrative penalties in response to the
13 repeated violations of the NPDES permits. EPA’s response to the repeated violations has been to
14 issue Compliance Orders by Consent that give Teck Cominco additional time to comply with its
15 permit limits and specify new, less stringent interim limits. Teck Cominco violates these
16 Compliance Orders as well.

17 **III. NATURE OF THE CASE**

18 8. This is a citizens’ suit for relief brought by the plaintiffs under Section 505 of the
19 Clean Water Act, 33 U.S.C. § 1365. This provision allows citizens to bring an action against any
20 person in violation of any effluent standard or limitation. The district court has jurisdiction to
21 enforce any effluent standard or limitation, and to apply civil penalties as authorized by the Act.

22 9. Teck Cominco is routinely discharging a variety of pollutants in violation of the limits
23 established in its mine site NPDES permit (permit no. AK-003865-2, hereafter “mine site
24 permit”) and port site permit (permit no. AK-004064-9, hereafter “port site permit”). Teck
25 Cominco’s permits, and the conditions of the permits, are “effluent standards or limitations”
26 under 33 U.S.C. § 1365(f). Plaintiffs bring this action to enforce the Clean Water Act. Plaintiffs
27 seek a declaratory judgment, injunctive relief to prohibit future discharges in violation of the
28

1 established permit limits, the imposition of civil penalties, and other relief for Teck Cominco's
2 violations of the terms of its permits.

3 IV. PARTIES

4 10. The plaintiffs – Enoch Adams, Jr., Leroy Adams, Andrew Koenig, Jerry Norton,
5 David Swan and Joseph Swan – all serve on the KRPC. Each is a long-time resident of Kivalina.
6 The plaintiffs will be collectively referred to as “plaintiffs” in this Complaint. The plaintiffs
7 have obtained and reviewed copies of Teck Cominco's Discharge Monitoring Reports for the
8 time period covered by this lawsuit.

9 11. The plaintiffs, and other residents of Kivalina, reside at the mouth of the Wulik
10 River. The Wulik River is the primary source of drinking water for the village of Kivalina.
11 Plaintiffs also obtain a number of species of fish from the Wulik River and its tributaries.
12 Plaintiffs hunt for marine mammals and fish in the waters offshore from the port site's discharge
13 point on the Chukchi Sea. Plaintiffs and other residents of Kivalina depend on the food obtained
14 from subsistence hunting activities in these locations for a substantial portion of their dietary
15 needs. Teck Cominco's permit violations affect the individual plaintiffs. Plaintiffs rely on the
16 waters of the Wulik River, which is downstream of Red Dog Mine Outfall 001 in the Middle
17 Fork Red Dog Creek, for their drinking water and as a source of fish for its basic subsistence.
18 Likewise, plaintiffs fish and hunt in the waters of the Chukchi Sea into which Teck Cominco's
19 port facility regularly discharges hazardous substances such as zinc, cadmium, and fecal
20 coliform. Plaintiffs observe that the quality of their drinking water has declined since the mine
21 began operating, noting strange tastes and colors that make the water offensive to consume.
22 Plaintiffs have also seen changes in the location and quantity of terrestrial mammals, marine
23 mammals and fish that constitute their basic source of food. These changes have affected the
24 way that plaintiffs conduct their basic life activities, and hampered their ability to ensure an
25 adequate supply of food for themselves and their families. Plaintiffs and other Kivalina residents
26 hunt in the vicinity of the mine, and are afraid that the subsistence resources they are hunting may
27 be contaminated from drinking in the streams to which Teck Cominco is illegally discharging.
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1 Plaintiffs fear that Teck Cominco's continued illegal discharge will further limit their hunting
2 and fishing. They also fear for their health when drinking the water near the mine during those
3 hunting trips. Teck Cominco's violations of the Clean Water Act expose the plaintiffs to poor
4 drinking water, threaten the health of the marine and freshwater ecosystems on which the
5 community depends, and deprive the community of the opportunity to continue exercising its
6 traditional lifestyle without fear of illness or exposure to dangerous contaminants. The
7 individual plaintiffs have enjoyed aesthetic, recreational and spiritual interests in the pristine
8 wilderness environment in the general region of the Wulik River watershed, which has been the
9 home of their people since time immemorial. The individual plaintiffs' ability to enjoy their
10 aesthetic, recreational and spiritual connection with this unspoiled area is harmed by Teck
11 Cominco's illegal discharges.

12 12. Defendant Teck Cominco Alaska Incorporated is a subsidiary of Teck Cominco
13 American, Incorporated, which is owned by a partnership of Teck Cominco Metals, Ltd. and
14 Teck Cominco Nova Scotia, Ltd. Cominco Alaska Incorporated changed its name to Teck
15 Cominco Alaska Incorporated in 2001. At that time, Teck Cominco Alaska Incorporated
16 assumed responsibility for the permits issued to Cominco Alaska. Teck Cominco Alaska
17 Incorporated operates the Red Dog mine, and holds the NPDES permits for the mine and port
18 sites.

19 13. As the permit holder, Teck Cominco has a duty to comply with the terms of its
20 NPDES permits. Teck Cominco's authorized representatives sign each Discharge Monitoring
21 Report and certify its accuracy under penalty of law. Teck Cominco's mine site permit
22 authorizes discharges to Middle Fork Red Dog Creek, which flows into the Ikalukrok Creek and
23 then into the Wulik River. Teck Cominco's port site permit authorizes discharges to the tundra
24 and the Chukchi Sea.

25 V. NOTICE

26 14. Pursuant to Section 505(b)(A) of the Act, 33 U.S.C. § 1365(b)(1)(A), on July 3,
27 2003, Enoch Adams, Jr., Leroy Adams, Andrew Koenig, Jerry Norton, David Swan and Joseph
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1 Swan gave notice of the violations alleged in the Complaint sixty days prior to the filing of this
 2 Complaint to: A) the general manager and senior environmental advisor of Teck Cominco Alaska
 3 Incorporated, as well as its agent for service of process; B) the Administrator of the U.S. EPA; C)
 4 the Regional Administrator of the U.S. EPA for Region X; D) the U.S. Attorney General; E) the
 5 Commissioner of the Alaska Department of Environmental Conservation; F) the Commissioner
 6 of the Alaska Department of Fish and Game; and G) the Attorney General of Alaska. A true and
 7 correct copy of this Notice Letter is attached to this Complaint as Exhibit A. Pursuant to Section
 8 505(b)(A) of the Act, 33 U.S.C. § 1365(b)(1)(A), on August 8, 2007, Enoch Adams, Jr., Leroy
 9 Adams, Andrew Koenig, Jerry Norton and Joseph Swan gave supplemental notice of further
 10 violations sixty days prior to the filing of this Supplemental Complaint to the same nine persons.
 11 A true and correct copy of this Supplemental Notice Letter is attached to this Complaint as
 12 Exhibit B.

13 15. Neither EPA nor the State of Alaska has commenced or is diligently prosecuting a
 14 civil or criminal action in a court of the United States to require Teck Cominco's compliance
 15 with the standards, limitations, and orders at issue in this case, the mine site permit and the port
 16 site permit.

17 16. This action is not barred by any prior administrative penalty under § 309(g) of the
 18 Act, 33 U.S.C. § 1319(g).

19 VI. GENERAL ALLEGATIONS

20 A. Background on the Red Dog Mine

21 17. The Red Dog mine is the world's largest zinc mine, and its zinc deposit is the largest
 22 known zinc resource in the world. The mine is located about 55 miles east of the Chukchi Sea in
 23 the western end of the Brooks Mountain Range in the Northwest Arctic Borough of Alaska. The
 24 mine has the capacity to produce 1.1 million tons per year of high quality zinc concentrates,
 25 constituting seven percent of the world's mined zinc production. The mine has an expected life
 26 of forty years. Concentrate production and hauling began in 1989.

27 18. The Red Dog mine is an open-pit ore mine. After the ore is removed from the pit, it
 28

1 is processed to extract the zinc and lead that are the mine's primary products. First the ore is
2 crushed and ground to a fine powder. The powder is placed in tanks where the zinc and lead are
3 separated from the rest of the ore in a milling process that utilizes a variety of chemicals,
4 including 60 to 70 grams of cyanide per ton of ore. Waste ore and water from processing are
5 placed in the tailings impoundment, an unlined storage area designed to keep the tailings and
6 water in one place. This water is treated and discharged into Middle Fork Red Dog Creek
7 through Outfall 001. Discharge from the mine site is seasonal, happening only in the warmer
8 months, usually beginning in May and continuing until early October. Mining at the site takes
9 place year-round.

10 19. Concentrates are transported year-round to the port on the 52-mile DeLong Mountain
11 transportation system road, which runs from the mine site to a port site. A portion of the road
12 passes through the Cape Krusenstern National Monument.

13 20. At the port site, the concentrates are stored in two large concentrate storage buildings
14 approximately one mile from the sea. Each building is approximately one quarter mile long. The
15 port site began operations in 1989 with one concentrate storage building. A second building was
16 added later.

17 21. Zinc concentrates produced at the mine are sent to smelters around the world by ship
18 from the port site, which is on the Chukchi Sea, located southeast of Kivalina at 67° 34' N, 164°
19 03' west. Construction of the port began in 1986, and the first barge was loaded in 1990.
20 Shipping from the port site only occurs in warmer months when the Chukchi Sea is ice-free;
21 most discharge from the port only occurs seasonally as well.

22 22. Teck Cominco mined 5,220,000 tons of ore in 1999, 6,591,000 tons of ore in 2000,
23 7,294,000 tons of ore in 2001, and 7,257 tons of ore at the Red Dog mine in 2002. Red Dog
24 produced 1,148,000,000 pounds of zinc in 1999, 1,171,000,000 pounds of zinc in 2000,
25 1,141,000,000 pounds of zinc in 2001, and 1,156,800,000 pounds of zinc in 2002.

26 23. Teck Cominco's pro forma operating profit at the Red Dog mine was \$117,000,000
27 in 1999, \$121,000,000 in 2000, and \$4,000,000 in 2001.

24. The mine and port are located on lands owned by Northwest Alaska Native Association (NANA) Regional Corporation. Teck Cominco financed the construction of the mine and operates it under an agreement with NANA.

B. Statutory and Regulatory Background

25. Section 301 (a) of the Act, 33 U.S.C. § 1311(a), prohibits the discharge of pollutants from a “point source” into the navigable waters of the United States, unless the discharge is in compliance with the applicable effluent limitation set by EPA, as required by a NPDES permit issued pursuant to Section 402 of the Act, 33 U.S.C. § 1342.

26. The Red Dog Mine and its port site both include point sources under Section 502(14) of the Act, 33 U.S.C § 1362(14).

27. Middle Fork Red Dog Creek and the Chukchi Sea are navigable waters under Section 502(7) of the Act, 33 U.S.C. § 1362(7).

28. The U.S. EPA administers the NPDES permit program in the State of Alaska.

C. Permit History, Requirements, Consent Orders and Other Violations

1. The Mine Site

29. The first NPDES permit for the mine site (permit no. AK-003865-2) was issued on July 10, 1985, and was reissued by EPA on August 28, 1998. The current mine site permit expired on August 28, 2003, but was administratively extended by EPA and is still in force.

30. The mine site permit authorizes Teck Cominco to discharge 2.418 billion gallons of effluent each year from its tailings pond through its treatment plant’s “Outfall 001” to Middle Fork Red Dog Creek (Permit Condition I(A)(2)).

31. The permit establishes discharge limits for 11 parameters. The permit contains two types of limitations: a daily maximum discharge limit and a monthly average discharge limit.

32. The permit limits for total dissolved solids are a daily maximum concentration of 196 milligrams per liter (mg/L) and a monthly average concentration of 170 mg/L (Permit Condition I(A)(1)). EPA issued a permit modification on July 17, 2003 which became effective on August 22, 2003, allowing a higher level of TDS in the mine’s discharge, but this permit modification

1 has currently been stayed pending appeal and the old permit limitation is still in effect. As the
2 EPA informed Teck Cominco on October 2, 2003, "Until the appeal is resolved, all conditions of
3 the unmodified 1998 NPDES permit referenced above remain in effect, including the TDS limits
4 and monitoring requirements for Outfall 001 contained in Part I.A[.]" As of June 15, 2004, the
5 daily TDS permit limit is 3900 mg/L, except during Arctic Grayling spawning season when both
6 the daily and monthly TDS limits from the 1998 permit are in force.

7 33. The permit limits for cyanide are a daily maximum concentration of 9.0 parts per
8 billion (ppb) and a monthly average concentration of 4.0 ppb (Permit Condition I(A)(1)).

9 34. The permit limits for whole effluent toxicity are a daily maximum concentration of
10 12.2 chronic toxicity units (TUc) and a monthly average concentration of 9.7 TUc (Permit
11 Condition I(A)(1) and I(H)(5)).

12 35. The permit limits for cadmium are a daily maximum concentration of 3.4 ppb and a
13 monthly average concentration of 2.0 ppb (Permit Condition I(A)(1)).

14 36. The mine site permit describes the monitoring and reporting requirements Teck
15 Cominco must follow, including frequency of sampling, analytical protocols, and ambient
16 monitoring requirements.

17 37. The mine site permit also details a number of management measures that Teck
18 Cominco must follow. The permit specifies that precipitation falling on the shale pile be directed
19 into the tailings impoundment; that water that seeps from the tailings impoundment dam be
20 returned to the tailings impoundment, treated, or recycled in the milling process; and the water in
21 the tailings impoundment not leak into Red Dog Creek.

22 38. Teck Cominco has consistently failed to comply with many of the limits specified in
23 its mine site permit.

24 **2. The Port Site**

25 39. The current port site NPDES permit (permit no. AK-004064-9) became effective on
26 January 29, 1999.

27 40. The port site permit authorizes Teck Cominco to discharge treated wastewater from
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1 the sewage treatment plant via Outfall 001 to the Chukchi Sea; and to discharge drainage water
2 from the concentrate storage buildings via Outfall 005 to the Chukchi Sea or to the tundra.

3 41. The port site permit specifies discharge limits for three parameters for Outfall 001,
4 and for six parameters for Outfall 005. The discharge limits for discharges from Outfall 005 are
5 significantly higher for discharges to the Chukchi Sea, as compared to limits for discharges to the
6 tundra.

7 42. The port site permit establishes monitoring and reporting requirements for certain
8 parameters in the discharge from the port.

9 43. The permit specifies that it does not authorize the discharge of any waste streams,
10 including spills and other unintentional or non-routine discharges of pollutants that are not part of
11 normal operations as disclosed in the permit application.

12 44. The permit does not authorize the discharge of chlorine from Outfall 001.

13 45. Teck Cominco has consistently failed to comply with some of the limits specified in
14 its port site permit.

15 **3. Compliance Orders**

16 46. EPA has not initiated any enforcement action against Teck Cominco for its violations
17 of its permit limits. Instead, EPA has issued Compliance Orders by Consent ("Compliance
18 Orders") to Teck Cominco, extending deadlines by which Teck Cominco must comply with its
19 permits and establishing relaxed limitations for certain parameters. The Compliance Orders
20 represent a negotiated agreement between Teck Cominco and EPA.

21 47. EPA issued a Compliance Order relating to discharges at the mine site (Docket No.
22 CWA-10-99-0167) on July 1, 1999. This Compliance Order required Teck Cominco to come
23 into compliance with the terms of its permit by the start of the 2001 discharge season.

24 48. EPA subsequently issued a Modified Compliance Order for the mine on May 30,
25 2000. The Modified Compliance Order required Teck Cominco to come into compliance with
26 the TDS limitations of its permit by the start of the 2002 discharge season.

27 49. EPA subsequently issued a second Modified Compliance Order for the mine on May
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1 17, 2002, just before the 2002 discharge season. The Modified Compliance Order requires Teck
2 Cominco to come into compliance with the TDS limitations of its permit by August 28, 2003, the
3 date the permit expired.

4 50. None of the three mine site Compliance Orders modify the terms of the underlying
5 NPDES permit. Teck Cominco's current Modified Compliance Order for the mine site states at
6 paragraph 24: "Nothing in this Order shall be construed to relieve [Teck] Cominco of the
7 requirements of its NPDES permit[.]"

8 51. The substantive requirements of the three mine site Compliance Orders are nearly
9 identical.

10 52. The mine site Compliance Orders permit Teck Cominco to measure concentrations of
11 total dissolved solids (TDS) downstream from the discharge point, and set a significantly higher
12 concentration for TDS.

13 53. The most recent mine site Compliance Order required TDS measurements at Station
14 10, a water quality monitoring station on Main Stem Red Dog Creek; and Station 7, a water
15 quality monitoring station on Ikalukrok Creek several miles below the confluence with Main
16 Stem Red Dog Creek.

17 54. The first two mine site Compliance Orders limited TDS to 1500 mg/L at Station 10
18 and to 500 mg/L at Station 160 from July 25 through the end of the discharge season. Teck
19 Cominco's third mine site Compliance Order limits TDS to 1500 mg/L at Station 10 and to 500
20 mg/L at Station 150 through the end of the discharge season.

21 55. Temporary exceedences of up to 1600 mg/L were permitted at Station 10 if such
22 exceedences did not continue for more than 48 hours in any ten day period.

23 56. EPA issued Compliance Orders relating to discharges at the port site (Docket No.
24 CWA-10-99-0200) on August 24, 1999 and January 12, 2000. A Modified Compliance Order
25 was issued on January 10, 2002. The Modified Compliance Order for the port site states that "As
26 a result of Cominco's unpermitted discharges of chlorine, Cominco is in violation of Section
27 301(a) of the Act, 33 U.S.C. § 131(a)." It allowed Teck Cominco to discharge chlorine in
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1 concentrations of less than 0.1 mg/L until January 28, 2004.

2 57. None of the three port site Compliance Orders modify the terms of the underlying
3 port site NPDES permit. Teck Cominco's most recent Modified Compliance Order for the port
4 site states at paragraph 16: "Nothing in this Order shall be construed to relieve [Teck] Cominco
5 of the requirements of its NPDES permit[.]"

6 **4. Summary of Teck Cominco's Violations**

7 58. Teck Cominco's permits require it to file a Discharge Monitoring Report (DMR) for
8 the mine site and a DMR for the port site each month. In these DMRs, Teck Cominco reports to
9 U.S. EPA its discharges. The DMRs are certified as accurate by Teck Cominco representatives
10 under penalty of law.

11 59. By simply comparing the discharges reported by Teck Cominco in the mine site
12 DMRs to the discharge limits found in Teck Cominco's mine permit, plaintiffs documented
13 2,322 violations of the mine site permit from August 28, 1998 until May 31, 2003. Plaintiffs
14 specified each of the 2,322 violations of the mine site permit in the 60-day Notice Letter
15 Plaintiffs served on Teck Cominco on July 3, 2003. This suit seeks relief from a subset of the
16 mine site violations noticed by plaintiffs, the 2,203 violations plaintiffs have determined to be
17 ongoing or capable of repetition. In addition, by comparing discharges reported by Teck
18 Cominco in the mine site DMRs to the mine permit, plaintiffs documented an additional 772
19 violations of the mine site permit from June 1, 2003 until June 30, 2007. Plaintiffs specified
20 each of the 772 violations of the mine site permit in a supplemental 60-day Notice Letter
21 plaintiffs served on Teck Cominco on August 8, 2007. This suit also seeks relief from 574 of the
22 supplemental notice violations, which plaintiffs have determined to be ongoing or capable of
23 repetition and not alleged in the original Complaint. This suit also seeks relief from 101
24 violations between July 1, 2007 and the end of discharge on October 6, 2007.

25 60. By comparing the discharges reported by Teck Cominco in the port site DMRs to the
26 discharge limits found in Teck Cominco's port site permit, plaintiffs documented 1,654 violations
27 of the port site permit from May 13, 1999 until May 31, 2003. Plaintiffs specified each of the
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1 1,654 total violations in the Updated 60-day Notice Letter plaintiffs served on Teck Cominco on
2 July 3, 2003. This suit seeks relief from a subset of the mine site violations noticed by plaintiffs,
3 the 42 violations plaintiffs have determined to be ongoing or capable of repetition.

4 61. By comparing the discharges reported by Teck Cominco in the mine site DMRs to
5 the discharge limits found in Teck Cominco's mine site Consent Orders, plaintiffs documented at
6 least 64 violations of the mine site Consent Orders. Plaintiffs specified each of the 64 violations
7 of the mine site's Consent Orders in the 60-day Notice Letter plaintiffs served on Teck Cominco
8 on July 3, 2003. This suit seeks relief from the mine site Consent Order violations noticed by the
9 plaintiffs, the 64 violations plaintiffs have determined to be ongoing or capable of repetition.

10 62. By comparing the discharges reported by Teck Cominco in the port site DMRs to the
11 discharge limits found in Teck Cominco's port site Consent Order, plaintiffs documented 53
12 violations of the port site Consent Order.

13 63. The total violations of the permits and Consent Orders alleged in this suit are 2,984.

14 64. The regulations implementing the Clean Water Act, 40 C.F.R. §19.4, authorize a
15 penalty of up to \$27,500 for each violation of the permits and Consent Orders that occurred
16 before March 14, 2004, and \$32,500 for violations after March 14, 2004, or up to \$85,390,000
17 for the violations alleged herein.

18 **5. Other Violations by Teck Cominco at Red Dog**

19 65. Although neither the U.S. EPA nor the State of Alaska has taken action to enforce the
20 provisions of the Clean Water Act permits at issue in this case, EPA entered into a \$4,800,000
21 settlement with Cominco Alaska in July 1997 for more than 1,000 Clean Water Act violations at
22 the Red Dog mine and port sites, lodged with this Court in *United States v. Cominco Alaska,*
23 *Inc.*, No.A97-267CIV (JKS). In addition, Alaska has taken action against Teck Cominco for
24 violations of other permits and environmental laws at the Red Dog mine site. Most recently, on
25 December 18, 2001, Teck Cominco, the Alaska Department of Environmental Conservation and
26 the Alaska Department of Law signed a settlement agreement in which Teck Cominco agreed to
27 a civil penalty of \$827,000 for 18 alleged violations of its air permit, including knowingly
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operating and failing to properly report equipment that exceeded emission limits and failure to conduct air monitoring.

D. The Village of Kivalina

66. Kivalina, population 383, is located 80 miles northwest of Kotzebue on the tip of a barrier beach between the Chukchi Sea and the Kivalina Lagoon. Historically, the area was a stopping place for seasonal coastal travelers and a spring shore hunting base for inland Inupiat. Kivalina was settled in the early 1900s. The local economy is based on subsistence hunting and fishing.

FIRST CLAIM

Mine Site: Violations of Total Dissolved Solids Permit Limits

(33 U.S.C. § 1311(a))

67. Paragraphs 1-66 are incorporated by reference.

68. Mine site permit I(A)(1) for TDS specifies a daily maximum discharge of 196 mg/l.

69. Teck Cominco's operations at the Red Dog Mine cause Teck Cominco to discharge TDS through Outfall 001 in quantities approximately 1500 percent higher than its maximum daily limits on every day in which the mine discharges.

70. As specified in plaintiffs' Notice Letter, Teck Cominco violated mine site permit condition I(A)(1) for daily maximum TDS on the following days:

1999: June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; July 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; September 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; October 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12.

2000: May 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; July 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31;

1 August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27,
2 28, 29, 30, and 31; September 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21,
3 22, 23, 24, 25, 26, 27, 28, 29, and 30; October 1, 2, 3, 4, 5, 6, and 7.

4 **2001:** May 31; June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21,
5 22, 23, 24, 25, 26, 27, 28, 29, and 30; July 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17,
6 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11,
7 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; September 1, 13,
8 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; October 1, 2, 3, 4, 5, 6, 7, 8,
9 9, and 10.

10 **2002:** May 26, 27, 28, 29, 30, 31; June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16,
11 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; July 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12,
12 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; August 1, 2, 3, 4, 5,
13 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31;
14 September 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26,
15 27, 28, 29, and 30; October 1, 2, 3, 4, 5 and 6.

16 **2003:** May 9, 10, 11, 12, 13, 14, 15, 25, 26, 29 and 31; June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,
17 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; July 1, 2, 3, 4, 5,
18 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31;
19 August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 14.

20 **2004:** May 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and
21 31; June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 14; August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12,
22 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and 31; September 1, 2, 3, 4,
23 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 and 26.

24 **2005:** May 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30
25 and 31; June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25,
26 26, 27, 28, 29, 30; July 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22,
27 23, 24, 25, 26, 27, 28, 29, 30 and 31; August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17,
28

18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and 31; September 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 and 30; October 1, 2, 3, 4, 5 and 6.

2006: May 9, 10, 11, 12, 13, 14, 15 and 16; September 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30; October 1, 2.

2007: June 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; July 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 24, 25, 26, 27, 28, 29, 30 and 31; August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and 31; September 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 and 30; October 1, 2, 3, 4 and 5.

71. Plaintiffs are informed and believe that the violations of mine site permit Condition I(A)(1) for daily maximum TDS are ongoing to this day or are capable of repetition.

72. Mine site permit Condition I(A)(1) for TDS specifies a monthly average discharge limit of 170 mg/l per day.

73. Teck Cominco has violated permit condition I(A)(1)'s limits for monthly average for TDS in every month in which Teck Cominco discharges from Outfall 001. Teck Cominco violated its permit limits in May 1999, June 1999, August 1999, September 1999, October 1999, May 2000, June 2000, July 2000, August 2000, September 2000, October 2000, May 2001, June 2001, July 2001, August 2001, September 2001, October 2001, May 2002, June 2002, July 2002, August 2002, September 2002, October 2002, May 2003, June 2003, July 2003, and August 2003, May 2004, June 2004, May 2005, June 2005, May 2006, June 2006, May 2007 and June 2007.

74. Violations of a monthly average limit mean that the permit was violated on each day the facility discharged in that month. As specified in plaintiffs' Notice Letter, Teck Cominco violated its permit limits for TDS on the following days:

1999: June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; July 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,

21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,
15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; September 1, 2, 3, 4, 5, 6, 7,
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; October
1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12.

2000: May 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11,
12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; July 1, 2, 3, 4, 5, 6, 7,
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31;
August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27,
28, 29, 30, and 31; September 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21,
22, 23, 24, 25, 26, 27, 28, 29, and 30; October 1, 2, 3, 4, 5, 6, and 7.

2001: May 31; June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21,
22, 23, 24, 25, 26, 27, 28, 29, and 30; July 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17,
18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11,
12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; September 1, 13,
14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; October 1, 2, 3, 4, 5, 6, 7, 8,
9, and 10.

2002: May 26, 27, 28, 29, 30, 31; June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16,
17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; July 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12,
13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; August 1, 2, 3, 4, 5,
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31;
September 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26,
27, 28, 29, and 30; October 1, 2, 3, 4, 5 and 6.

2003: May 9, 10, 11, 12, 13, 14, 15, 25, 26, 29 and 31; June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,
11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; July 1, 2, 3, 4, 5,
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31;
August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 14.

2004: May 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and

31; June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14.

2005: May 24, 25, 26, 27, 28, 29, 30, 31; June 1, 2, 3, 4, 5, 6.

2006: May 30, 31; June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15.

2007: May 26, 27, 28, 29, 30 and 31; June 1, 2.

75. Plaintiffs are informed and believe that the violations of the mine site permit condition I(A)(1) for monthly average TDS are ongoing to this day or are capable of repetition.

76. Teck Cominco has discharged TDS in excess of its daily permit limit at least 1,010 times, and in excess of the monthly average permit limit at least 688 times, for 1303 total TDS violations.

77. Plaintiffs believe and aver that, without the imposition of appropriate civil penalties and the issuance of appropriate equitable relief, Teck Cominco will continue to violate its permit limits with respect to TDS discharges.

SECOND CLAIM

Mine Site: Violations of Cyanide Permit Limits

(33 U.S.C. § 1311(a))

78. Paragraphs 1-77 are incorporated by reference.

79. Mine site permit condition I(A)(1) for cyanide specifies a daily maximum discharge of 9 ppb.

80. As specified in plaintiffs' Notice Letter, Teck Cominco exceeded its daily maximum permissible concentration of cyanide and thus violated permit condition I(A)(1) for cyanide on May 22, 1999; May 25 and 29, 2000; June 10, 13, and 24, 2000; June 14 and 18, 2001; July 22 and 30, 2001, August 13, 16, 20, and 27, 2001; June 10, 2002; and September 30, 2002. As specified in plaintiffs' Supplemental Notice Letter, Teck Cominco exceeded its daily maximum permissible concentration of cyanide and thus violated permit condition I(A)(1) for cyanide on May 10 and 13, 2003; June 17 and 24, 2003; July 1, 15, 21 and 29, 2003; August 12, 2003; May 23, 2005; August 9, 2005; September 5, 12, 19, 2005; October 3, 2005; May 11 and 15, 2006; June 5, 2006; October 1, 2006; October 1, 2007.

1 81. Plaintiffs are informed and believe that the violations of mine site permit Condition
2 I(A)(1) for daily maximum cyanide discharges are ongoing to this day or are capable of
3 repetition.

4 82. Mine site permit condition I(A)(1) for cyanide specifies a maximum monthly average
5 discharge of 4 ppb per day.

6 83. Teck Cominco exceeded its permissible monthly average for cyanide in June 1999,
7 July 1999, August 1999, September 1999, May 2000, June 2000, July 2000, September 2000,
8 October 2000, June 2001, July 2001, August 2001, September 2001, May 2002, June 2002 and
9 September 2002, as well as in September 2005, October 2005, May 2006, June 2006, July 2006,
10 August 2006; September 2006 and October 2007.

11 84. Violations of a monthly average limit mean that the permit was violated each day the
12 facility operated in that month. As specified in plaintiffs' Notice Letter, Teck Cominco violated
13 permit Condition I(A)(1) for monthly average discharge of cyanide on the following days:

14 **1999:** June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24,
15 25, 26, 27, 28, 29, and 30; July 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,
16 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,
17 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; September 1, 2, 3, 4, 5, 6, 7,
18 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30.

19 **2000:** May 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11,
20 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; July 1, 2, 3, 4, 5, 6, 7,
21 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31;
22 September 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26,
23 27, 28, 29, and 30; October 1, 2, 3, 4, 5, 6, and 7.

24 **2001:** June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23,
25 24, 25, 26, 27, 28, 29, and 30; July 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19,
26 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,
27 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31; September 1, 13, 14, 15,
28

16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30.

2002: May 26, 27, 28, 29, 30, 31; June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; September 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30.

2005: September 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 and 30; October 1, 2, 3, 4, 5 and 6.

2006: May 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and 31; June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30; July 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and 31; August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and 31; September 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.

2007: October 1, 2, 3, 4 and 5.

85. Plaintiffs are informed and believe that the violations of mine site permit Condition I(A)(1) for monthly average cyanide discharges are ongoing to this day or are capable of repetition.

86. Teck Cominco has discharged cyanide in excess of its daily permit limits at least 36 times, and in excess of the monthly average permit limit at least 593 times, for 629 total cyanide violations.

87. Plaintiffs believe and aver that, without the imposition of appropriate civil penalties and the issuance of appropriate equitable relief, Teck Cominco will continue to violate its permit limits with respect to cyanide discharges.

THIRD CLAIM

Mine Site: Whole Effluent Toxicity ("WET") Testing Permit Violations

(33 U.S.C. § 1311(a))

88. Paragraphs 1-87 are incorporated by reference.

89. Mine site permit condition I(H)(4) requires that the results for the whole effluent

1 toxicity ("WET") tests of effluent and ambient waters be reported in the Discharge Monitoring
2 Report for the month in which the tests were conducted.

3 90. As specified in plaintiffs' Notice Letter, Teck Cominco violated permit Condition
4 I(H)(4) by not reporting the results of required WET testing, or by reporting the results of
5 incomplete or inadequate WET testing, in August 1999 (Outfall 001, Station 9, Station 12);
6 August 2, 3, 4, 2001 (Outfall 001); July 2002 (Station 9); August 2002 (Station 9) and October
7 2002 (Station 9).

8 91. Plaintiffs are informed and believe that the violations of mine site permit Condition
9 I(H)(4) for WET test reporting are ongoing to this day or are capable of repetition.

10 92. Mine site permit condition I(H)(5) specifies that WET may not exceed a daily
11 maximum of 12.2 TUc.

12 93. As specified in plaintiffs' Notice Letter, Teck Cominco exceeded the maximum daily
13 limit for WET, and thus violated mine site permit condition I(H)(5), in May 1999, June 1999,
14 July 1999, August 2000; on August 16, 18, 20, 2001; in August 2002; and in September 2002 (2
15 violations). As specified in plaintiffs' Supplemental Notice Letter, Teck Cominco exceeded the
16 maximum daily limit for WET, and thus violated mine site permit condition I(H)(5), in August
17 2004.

18 94. Plaintiffs are informed and believe that the violations of mine site permit Condition
19 I(H)(5) for daily maximum WET are ongoing to this day or are capable of repetition.

20 95. Mine site permit condition I(H)(5) specifies that WET may not exceed a monthly
21 average of 9.7 TUc per day.

22 96. As specified in plaintiffs' Notice Letter, Teck Cominco exceeded its monthly average
23 limit for whole effluent toxicity in May 1999, June 1999, July 1999, August 2000, August 2001,
24 August 2002 and September 2002.

25 97. Violations of a monthly average limit mean that the permit was violated on each day
26 the facility operated that month. As specified in plaintiffs' Notice Letter, Teck Cominco violated
27 permit Condition I(H)(5) for monthly average WET values on the following days:
28

1 on June 13, 2000 and July 30, 2001.

2 103. Plaintiffs are informed and believe that the violations of mine site permit condition
3 I(A)(1) for maximum daily cadmium discharge are ongoing to this day or are capable of
4 repetition.

5 104. Mine site permit condition I(A)(1) for cadmium specifies a maximum monthly
6 average discharge of 2.0 ppb per day.

7 105. As specified in the plaintiffs' Notice Letter, Teck Cominco exceeded its maximum
8 monthly average discharge for cadmium in October 2000 and July 2001.

9 106. Violations of a monthly average discharge limit mean that the permit was violated
10 on each day the facility operated that month. As specified in plaintiffs' Notice Letter, Teck
11 Cominco violated permit condition I(A)(1) for monthly average cadmium discharge on the
12 following days:

13 **2000:** October 1, 2, 3, 4, 5, 6 and 7.

14 **2001:** July 1, 2, 3, 4, 5, 6, 7, 8, 9 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24,
15 25, 26, 27, 28, 29, 30, and 31, 2001.

16 107. Plaintiffs are informed and believe that the violations of mine site permit Condition
17 I(A)(1) for monthly average cadmium discharges are ongoing on this day or are capable of
18 repetition.

19 108. Teck Cominco has discharged cadmium in excess of its daily permit limits at least
20 two times, and in excess of the monthly average permit limit at least 38 times, for 40 total
21 cadmium violations.

22 109. Plaintiffs believe and aver that, without the imposition of appropriate civil penalties
23 and the issuance of appropriate equitable relief, Teck Cominco will continue to violate its permit
24 limits with respect to cadmium discharges.

25 **FIFTH CLAIM**

26 **Mine Site: Unpermitted Discharges to the Tundra**

27 **(33 U.S.C. § 1311(a))**

1 110. Paragraphs 1-109 are incorporated by reference.

2 111. Mine site permit condition I(C)(2) requires that precipitation falling on the shale
3 pile be directed to the tailings impoundment.

4 112. As specified in plaintiffs' Notice Letter, Teck Cominco's discharged to the tundra
5 on May 19, 22, and 23, 2002, when the pumping system was overtopped, resulting in discharges
6 to the tundra.

7 113. Plaintiffs are informed and believe that the violations of mine site permit condition
8 I(C)(2) are capable of repetition.

9 114. Teck Cominco has violated permit Condition I(C)(2) at least three times.

10 115. Plaintiffs believe and aver that, without the imposition of appropriate civil penalties
11 and the issuance of appropriate equitable relief, Teck Cominco will continue to violate its permit
12 limits with respect to unpermitted discharges to the tundra.

13 **SIXTH CLAIM**

14 **Mine Site: Self-Monitoring and Reporting Violations**

15 **(33 U.S.C. § 1311(a))**

16 116. Paragraphs 1-115 are incorporated by reference.

17 117. Mine site permit condition I(A)(1) specifies a required monitoring frequency for
18 each parameter listed.

19 118. Teck Cominco violated this condition when it failed to monitor discharge at Outfall
20 001 at the frequencies required by its permit. As specified in plaintiffs' Notice Letter, Teck
21 Cominco violated its permit on the following days or during the following months: September
22 1999 (failure to take weekly samples for turbidity); June 2000 (no sample taken for OPPS; no
23 results reported for silver); June 10, 2000 (no grab sample taken for turbidity); June 13, 2000 (no
24 grab sample taken for turbidity); July 10, 2000 (no results reported for total suspended solids);
25 July 22, 2000 (failed to take 24-hour composite sample for turbidity); August 3, 2000 (no results
26 reported for total suspended solids); September 2000 (no results reported for selenium);
27 September 2001 (samples for BOD and organic priority pollutants taken from water that was not
28

1 discharged through Outfall 001).

2 119. Plaintiffs are informed and believe that the violations of mine site permit condition
3 I(A)(1) for failing to conduct required monitoring are ongoing to this day or are capable of
4 repetition.

5 120. Mine site permit condition I(D)(1) requires ambient monitoring for specified
6 parameters at seven stations.

7 121. As specified in plaintiffs' Notice Letter, Teck Cominco violated permit condition
8 I(D)(1) by failing to conduct required ambient monitoring during the following months: June
9 2000 (failure to analyze samples for metals at Stations 10, 12, and 140); October 2000 (failure to
10 analyze for cyanide at Stations 10 and 20); June 2001 (failure to analyze ammonia twice, as
11 required, at Station 10; failure to analyze ammonia at Station 73; failure to analyze two samples
12 of weak acid dissociable cyanide from Station 20); July 2001 (failure to take second ammonia
13 sample at Station 73); May 2002 (failure to monitor total hardness at Station 140; failure to
14 monitor ammonia at Station 9; failure to monitor total hardness at Station 12).

15 122. Plaintiffs are informed and believe that the violations of mine site permit condition
16 I(D)(1) for failing to conduct required monitoring are ongoing to this day or are capable of
17 repetition.

18 123. Mine site permit condition I(D)(3) requires Teck Cominco to conduct ambient
19 monitoring until 30 days after complete cessation of discharge.

20 124. As specified in plaintiffs' Notice Letter, Teck Cominco violated permit Condition
21 I(D)(3) in November 2002 when it failed to report aluminum, cadmium, chromium, copper, iron,
22 lead, manganese, nickel and zinc for Sulfur Creek ambient monitoring station.

23 125. Plaintiffs are informed and believe that the violations of mine site permit condition
24 I(D)(3) for failing to conduct required monitoring are ongoing to this day or are capable of
25 repetition.

26 126. Mine site permit condition I(D)(8) requires Teck Cominco to conduct ambient
27 monitoring at various stations.
28

1 127. As specified in plaintiffs' Notice Letter, Teck Cominco violated permit Condition
2 I(D)(8) on October 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and 31, 2002 (failure to
3 report daily stream flow at Stations 2, 8, 9, 10, 12 and 140 as required, totaling 90 violations);
4 November 1, 2, 3, 4, 5, 6, 2002 (failure to report daily stream flow at Stations 2, 8, 9, 10, 12 and
5 140 as required, totaling 36 violations); May 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22,
6 23, 24, 25, 26, 27, 28, 29, 30 and 31, 2003 (failure to report daily stream flow at Stations 2, 8, 9,
7 10, 12 and 140 as required, totaling 138 violations).

8 128. Plaintiffs are informed and believe that the violations of mine site permit condition
9 I(D)(8) for failing to conduct required monitoring are ongoing to this day or are capable of
10 repetition.

11 129. Mine site permit condition I(C)(4) requires Teck Cominco to record the volume of
12 mine drainage pumped each day.

13 130. As specified in plaintiffs' Notice Letter, Teck Cominco violated permit condition
14 I(C)(4) by failing to record the volume of mine drainage pumped on July 12, 2001.

15 131. The violations of mine site permit condition I(C)(4) for failing to record the volume
16 of mine drainage pumped are capable of repetition.

17 132. Teck Cominco has violated permit Condition I(A)(1) by failing to monitor or report
18 parameters required by its permit at least 10 times, violated permit Condition I(D)(1) by failing to
19 monitor or report required parameters at least 12 times, violated permit condition I(D)(3) by
20 failing to monitor and report required parameters at least nine times, violated permit Condition
21 I(D)(8) by failing to monitor or report required parameters at least 264 times, and violated permit
22 Condition I(C)(4) by failing to record the volume of mine drainage at least once, for 296 total
23 monitoring and reporting violations.

24 133. Plaintiffs believe and aver that, without the imposition of appropriate civil penalties
25 and the issuance of appropriate equitable relief, Teck Cominco will continue to violate its permit
26 limits with respect to required self-monitoring and reporting.
27
28

SEVENTH CLAIM

Port Site: Unpermitted Discharges from the Port Site

(33 U.S.C. § 1311(a))

134. Paragraphs 1-133 are incorporated by reference.

135. Teck Cominco's permit does not allow unpermitted discharges.

136. As specified in plaintiffs' Notice Letter, Teck Cominco violated its permit by causing unpermitted discharges from the Port Facility on May 9, 2002 (100 gallon leak from pipeline); and on May 10, 2002 (1000 gallon run-off of untreated water to the tundra).

137. Plaintiffs are informed and believe that the violations of the port site permit prohibition on unpermitted discharges are capable of repetition.

138. Teck Cominco has discharged unpermitted substances other than chlorine in violation of its port site permit at least twice.

139. Plaintiffs believe and aver that, without the imposition of appropriate civil penalties and the issuance of appropriate equitable relief, Teck Cominco will continue to violate its port site permit limits through unpermitted discharges.

EIGHTH CLAIM

Port Site: Total Suspended Solids Permit Limit Violations

(33 U.S.C. § 1311(a))

140. Paragraphs 1-139 are incorporated by reference.

141. Port site permit condition I(A)(3) for total suspended solids (TSS) requires that discharges of TSS to the Chukchi Sea contain less than a daily maximum of 30 mg/L TSS.

142. As specified in plaintiffs' Notice Letter, Teck Cominco violated its port site permit Condition I(A)(3) for daily maximum discharge of TSS into the ocean in May 2002.

143. Plaintiffs are informed and believe that the violations of port site permit condition I(A)(3) for TSS are ongoing to this day or are capable of repetition.

144. Teck Cominco has discharged TSS in violation of its port site permit at least once.

145. Plaintiffs believe and aver that, without the imposition of appropriate civil penalties

1 and the issuance of appropriate equitable relief, Teck Cominco will continue to violate its port
2 site permit limits with respect to TSS discharges.

3 NINTH CLAIM

4 Port Site: Self-Monitoring and Reporting Violations

5 (33 U.S.C. § 1311(a))

6 146. Paragraphs 1-145 are incorporated by reference.

7 147. Port site permit condition I(A)(1) requires Teck Cominco to monitor discharge from
8 Outfall 001 at specified frequencies.

9 148. Teck Cominco violated this permit condition when it failed to monitor discharges at
10 the frequencies required by its port site permit. As specified in plaintiffs' Notice Letter, Teck
11 Cominco failed to properly monitor discharge from Outfall 001, and thus violated port site
12 permit condition I(A)(1), during the following months or on the following days: April 1999
13 (weekly analysis for BOD not conducted in two weeks); April 1999 (only two samples analyzed
14 for fecal coliform); August 1999 (sample not analyzed for salinity); May 8, 2000 (weekly
15 coliform and BOD samples not analyzed (2 violations)); May 29, 2000 (weekly coliform and
16 BOD samples not analyzed (2 violations)); February 4, 2001 (weekly BOD samples not
17 analyzed); July 2001 (failure to conduct adequate WET tests); August 2001 (failure to conduct
18 adequate WET tests); September 2001 (failure to conduct adequate WET tests); April 10, 2002
19 (weekly sample for coliform not analyzed); May 2002 (failure to monitor total hardness and
20 copper); July 2002 (failure to conduct WET test on *Mysidopsis bahia* or *Holmesimysis costatat*);
21 August 2002 (failure to conduct WET test on *Mysidopsis bahia* or *Holmesimysis costatat*);
22 September 2002 (failure to conduct WET test on *Mysidopsis bahia* or *Holmesimysis costatat*).

23 149. Plaintiffs are informed and believe that Teck Cominco's failure to properly monitor
24 discharges, and the violations of port site permit condition I(A)(1), are ongoing to this day or are
25 capable of repetition.

26 150. Port site permit condition I (B)(5) requires Teck Cominco to monitor discharge
27 from Outfall 005 at specified frequencies.

151. Teck Cominco violated this permit condition when it failed to monitor discharges at the frequencies required by its port site permit. As specified in plaintiffs' Notice Letter, Teck Cominco failed to properly monitor discharge from Outfall 005 and thus violated permit condition I(B)(5) during the following months or on the following days: May 2000 (failure to continuously monitor flow and pH); May 2000 (failure to monitor discharge hardness); June 22, 2000 (failure to monitor total suspended solids); July 7 and 26, 2000 (failure to monitor for total suspended solids); August 9, 2000 (failure to monitor for total suspended solids); June 3, 4, 5, 6, 7, 8, 9, 2001 (failure to monitor for pH); July 2001 (failure to conduct adequate WET tests); August 2001 (failure to conduct adequate WET tests); and September 2001 (failure to conduct adequate WET tests).

152. Plaintiffs are informed and believe that Teck Cominco's failure to properly monitor discharges, and the violations of port site permit condition I(B)(5), are ongoing to this day or are capable of repetition.

153. Teck Cominco has violated port site permit Condition I(A)(1) by failing to properly monitor discharges at least 22 times, and has violated port site permit Condition I(B)(5) by failing to properly monitor discharge at least 17 times, for 39 total monitoring violations.

154. Plaintiffs believe and aver that, without the imposition of appropriate civil penalties and the issuance of appropriate equitable relief, Teck Cominco will continue to violate its port site permit by failing to properly monitor and report discharges.

TENTH CLAIM

Mine Site: Violations of Consent Order

(33 U.S.C. § 1311(a))

155. Paragraphs 1-154 are incorporated by reference.

156. Teck Cominco must comply with the terms of the Compliance Order by Consent, Docket No. CWA-10-99-0167, issued by the EPA on July 1, 1999, and modified most recently on May 17, 2002 ("Mine Consent Order").

157. Under the Mine Consent Order, Teck Cominco was required to measure its

1 compliance with increased TDS discharge limits at Stations 10 and 160, points downstream of
2 Outfall 001; until May 17, 2002, the Mine Consent Order required measuring TDS at Stations 10
3 and 7. Teck Cominco was required to limit its discharge of TDS so that concentrations of TDS
4 remain below 1500 mg/l at Station 10, with exceedences below 1600 mg/l permissible if these do
5 not continue for more than 48 hours in any 10 day period. At Station 160 (and formerly at
6 Station 7), TDS concentrations must not exceed 500 mg/l from July 25 through the end of the
7 discharging season.

8 158. As specified in plaintiffs' Notice Letter, Teck Cominco violated the TDS limits at
9 Station 7 on the following dates: July 27, 1999; July 25, 2001; August 27, 28, 29, 2001.

10 159. As specified in plaintiffs' Notice Letter, Teck Cominco violated the TDS limits at
11 Station 10 on the following dates:

12 **1999:** June 24, 26, 27, 28, 29 and 30; July 1, 2, 3, 4, 5, 6, 7, 8, 9 (7 violations), 14, 15, 17,
13 18; September 12; October 1 and 5.

14 **2000:** June 22, 23, 24, 25, 26, 27 and 28; July 5, 6, 7, 8 and 11.

15 **2002:** May 28 and 29; June 3, 6 and 24.

16 160. Plaintiffs are informed and believe that Teck Cominco's violations of the TDS
17 limits in the Mine Consent Order are ongoing to this day or are capable of repetition. Plaintiffs
18 are informed and believe that the same discharge practices that caused Teck Cominco to
19 repeatedly violate the Mine Consent Order at Station 7 will cause it to continue to violate any
20 Modified Mine Consent Order at Station 160.

21 161. Under the Mine Consent Order, Teck Cominco must monitor for certain parameters
22 at the mine site and in streams near the mine site, as well as report certain data and calculations.

23 162. Teck Cominco has failed to conduct monitoring operations in accordance with the
24 Mine Consent Order. As specified in plaintiffs' Notice Letter, Teck Cominco violated the
25 monitoring requirements of the Consent Order on July 14, 2000 and May 30, 2001.

26 163. Teck Cominco has also failed to report all data and calculations specified in the
27 Mine Consent Order. As specified in plaintiffs' Notice Letter, Teck Cominco violated the
28

1 Consent Order by failing to timely report data required by the Order for Station 7 for July 25, 26,
2 27, 28, 29, 30 and 31, 2001 and for Station 10 for May 27, 28, 29, 30 and 31, 2002.

3 164. Plaintiffs are informed and believe that Teck Cominco's violations of the
4 monitoring and reporting requirements of the Mine Consent Order are ongoing to this day or are
5 capable of repetition.

6 165. Teck Cominco has violated the Mine Consent Order by exceeding the discharge
7 limits at Station 7 at least 5 times, by exceeding the discharge limits at Station 10 at least 45
8 times, by failing to monitor as required at least 2 times, and by failing to report as required at
9 least 12 times, for a total of 64 violations of the Mine Consent Order.

10 166. Plaintiffs believe and aver that, without the imposition of appropriate civil penalties
11 and the issuance of appropriate equitable relief, Teck Cominco will continue to violate its permit
12 limits with respect to TDS discharges.

13
14 WHEREFORE, plaintiffs Enoch Adams, Jr., Leroy Adams, Andrew Koenig, Jerry
15 Norton, David Swan and Joseph Swan ask for judgment against Teck Cominco Alaska
16 Incorporated as follows:

17 1. A declaration that Teck Cominco has violated the Clean Water Act at its mine and
18 port sites and is in violation of the Clean Water Act at its mine and port sites;

19 2. An injunction issued by the Court requiring Teck Cominco to comply fully with the
20 NPDES permits currently in effect at the mine and port sites;

21 3. Pursuant to 33 U.S.C. §1319(d) and 40 C.F.R. § 19.4, the imposition of civil penalties
22 of \$27,500 for each of the 2,309 violations alleged in this complaint that occurred before March
23 14, 2004 and \$32,500 for each of the 675 violations alleged in this complaint that occurred after
24 March 14, 2004, totaling \$85,390,000;

25 4. The granting of reasonable and necessary costs and expenses of the investigation and
26 prosecution of this case, including attorneys' fees, as provided for by 33 U.S.C. § 1365(d); and

27 5. Any other relief the Court may conclude is just and appropriate.
28

1
2 Dated this 29th day of August 2008.

3 Respectfully submitted,

4 CENTER ON RACE, POVERTY
5 & THE ENVIRONMENT

6
7 /S/ Luke Cole

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27
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